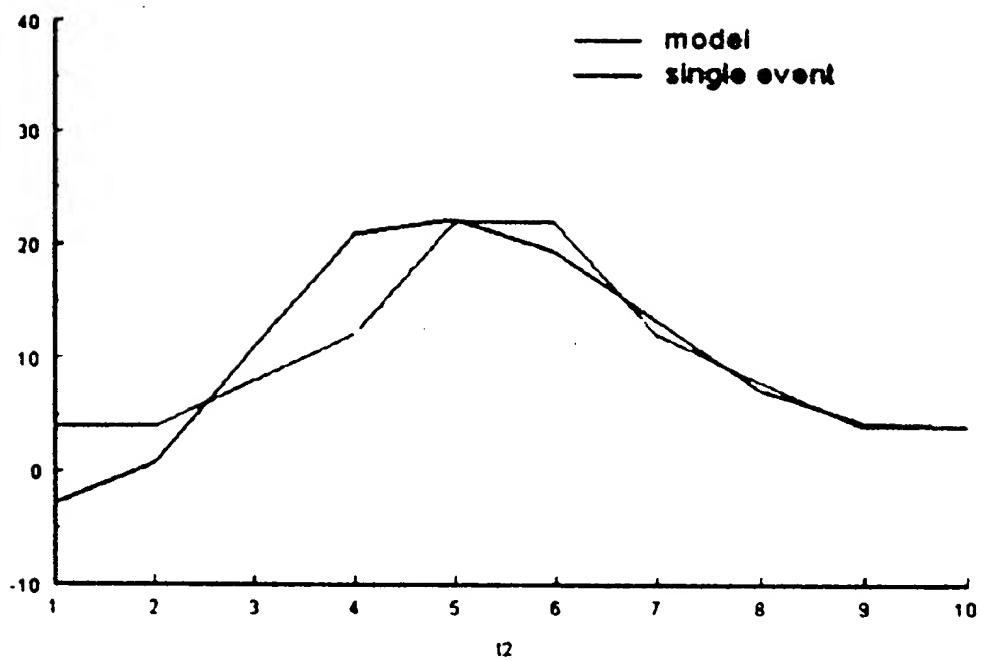
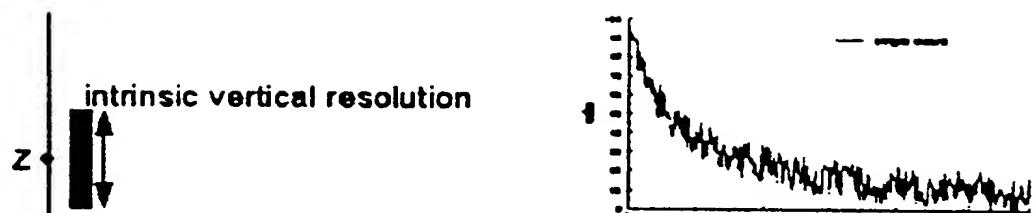


**Fig1. Single event echo-train**



**Fig.2** Model  $T_2$  distribution and Inverted  $T_2$  distribution from single echo-train data.

### One-event echo



### Multi-event echo

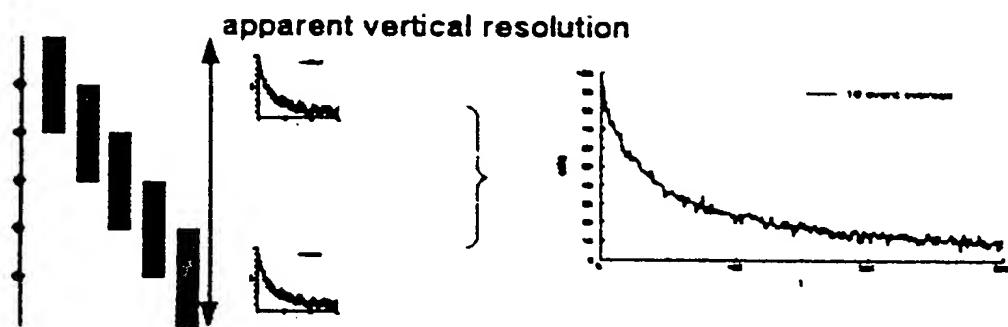


Fig.3 Multi-event echo stacking

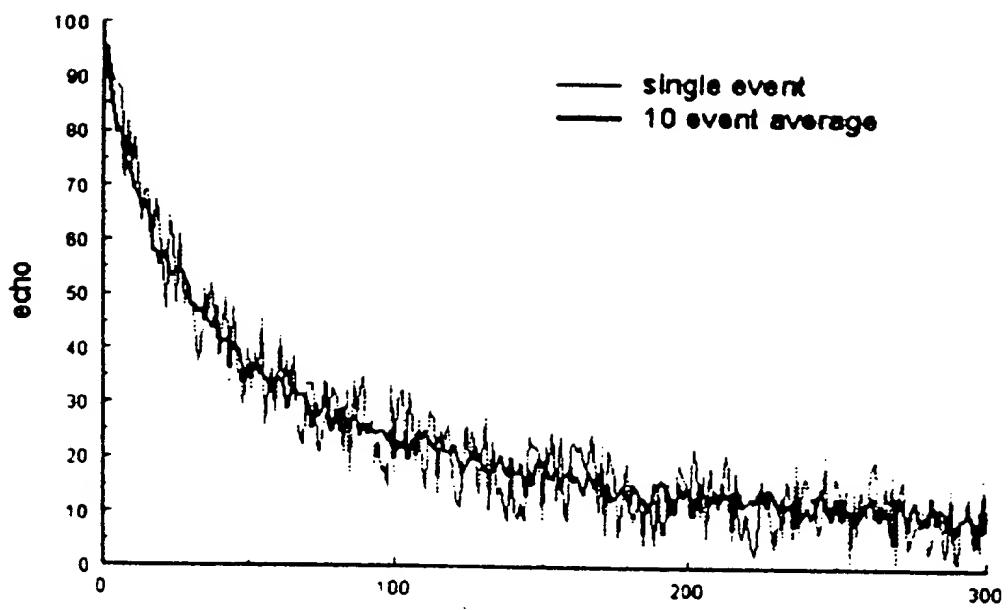


Fig.4 Stacked echo-train from 10 events

equation (1) gives

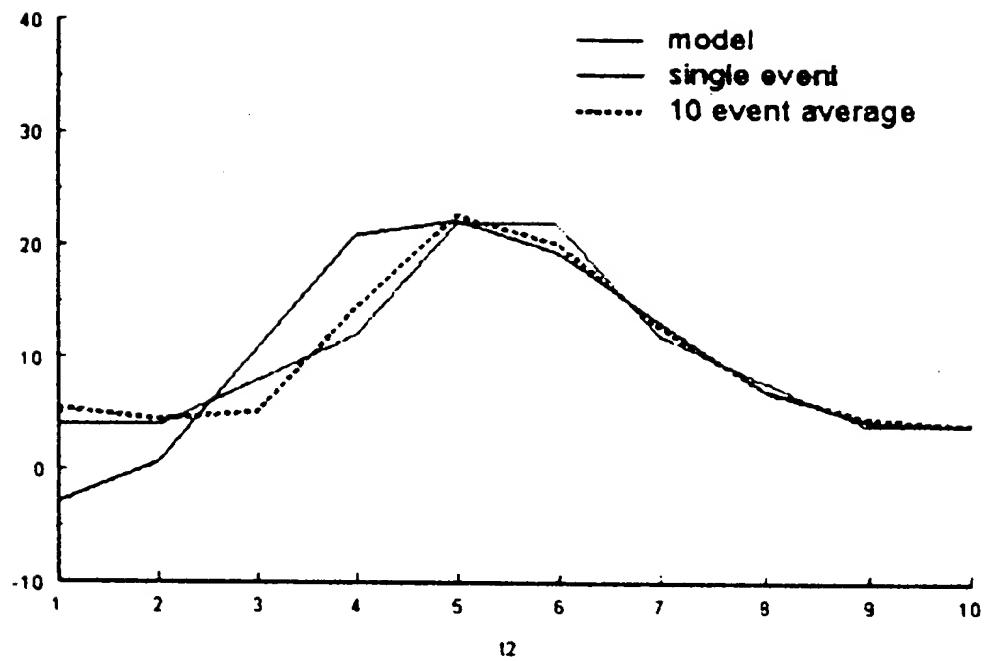


Fig.5 Inverted  $T_2$  distribution from stacked echo-train data.

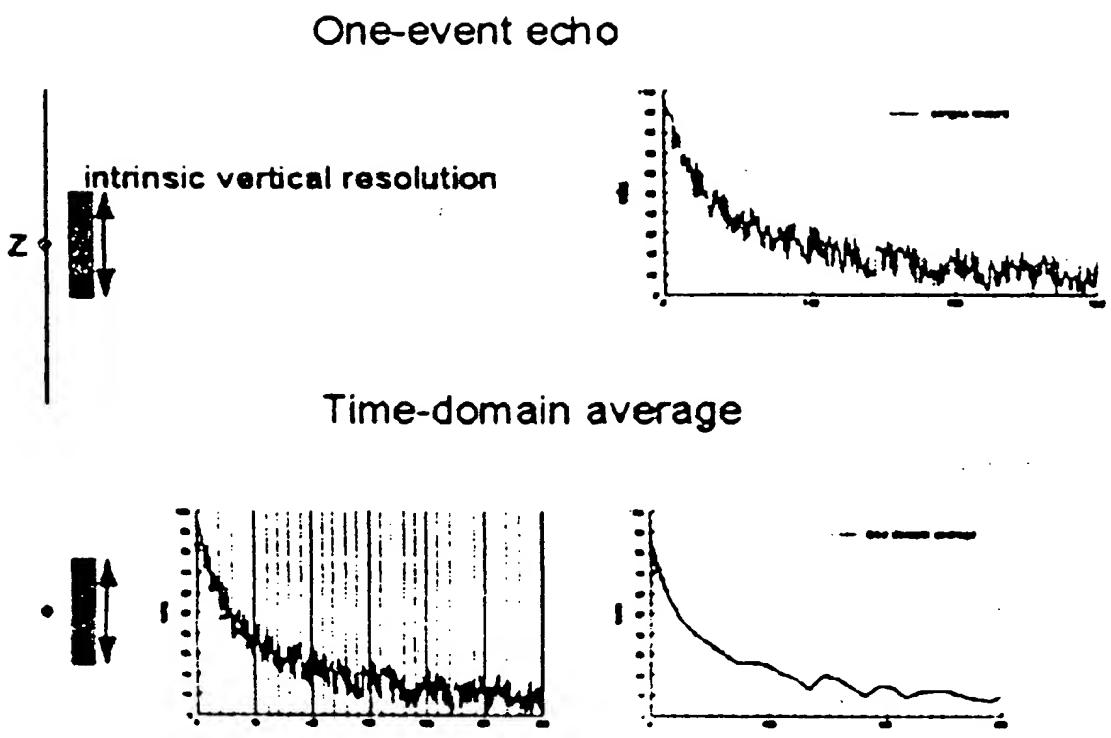


Fig.6 Time-domain average

single event time domain average

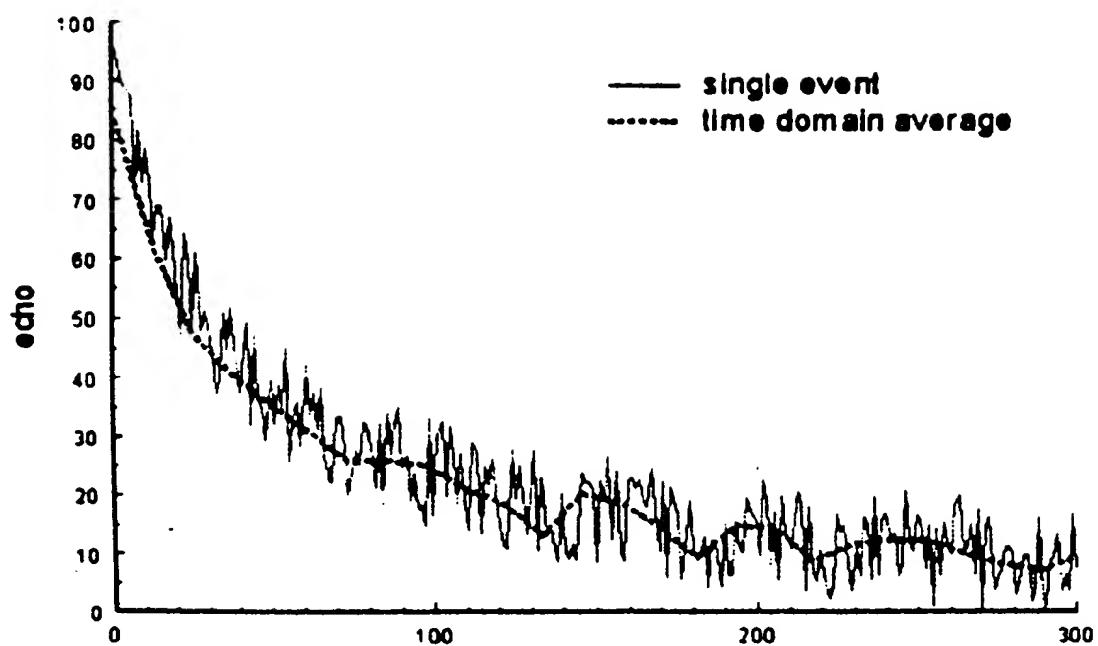


Fig.7 Time-domain averaged echo-train data.

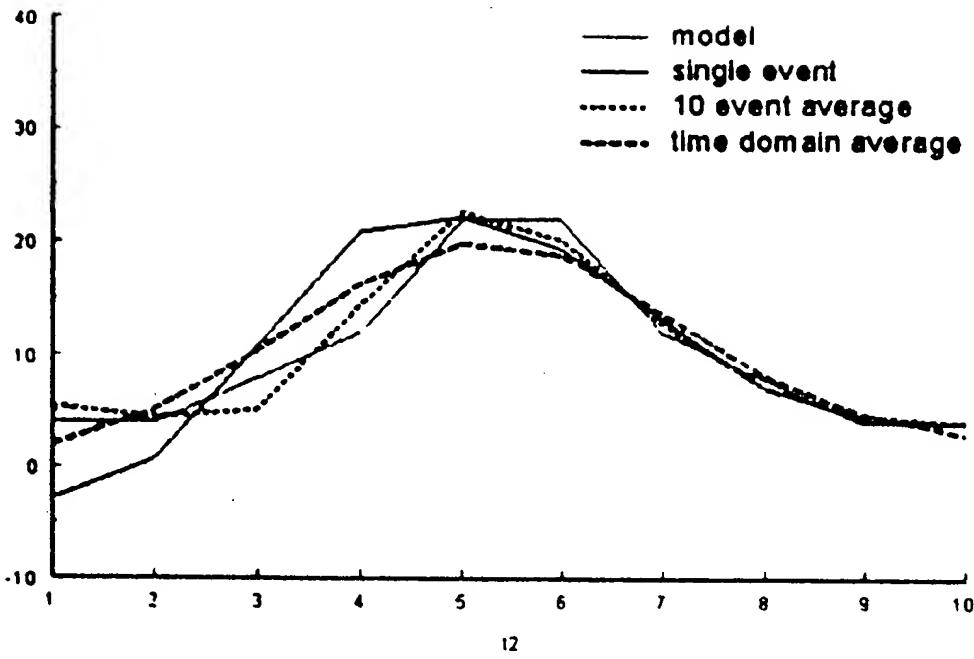


Fig.8 Inverted  $T_2$  distribution from time-domain averaged echo-train.